

**COLOR
TELEVISION**

**ELEGANCE 82 FLAT
MFW 82-2501/8 DOLBY**

**ENGLISH
ΕΛΛΗΝΙΚΑ
POLSKI
MAGYAR
HRVATSKI
SLOVENSKO**

GIGAFLEX

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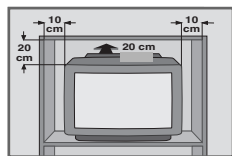
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SET-UP AND SAFETY



Please note the following information when setting up your television set.

This television set is designed to receive and display video and audio signals.

Any other use is expressly prohibited.

The ideal viewing distance is 5 times the screen diagonal.

External light falling on the screen impairs picture quality.

Ensure sufficient clearance between the TV and the wall cabinet.

The television set is designed for use in dry rooms. If you do use it in the open, please ensure that it is protected from moisture, such as rain or splashing water. Do not expose the television set to any moisture.

Do not place any vessels such as vases on the television, as they may spill liquid, thus presenting a safety risk.

Place the television set on a solid, level surface. Do not place any objects such as newspapers on the television set or cloth or similar items beneath it.

Do not place the television set close to heating units or in direct sunlight, as this will impair cooling.

Heat build-up can be dangerous and shortens the operating life of the television set. For reasons of safety, have a specialist remove any dirt deposits in the set from time to time.

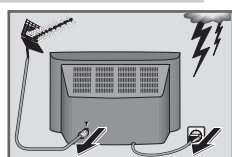
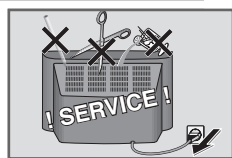
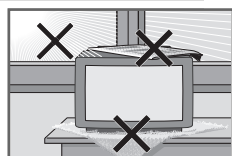
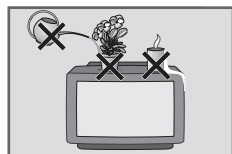
Keep the television set away from magnetic fields (loudspeaker boxes, for example).

Do not open the television set under any circumstances. Warranty claims are excluded for damage resulting from improper handling.

Ensure that the mains cable is not damaged.

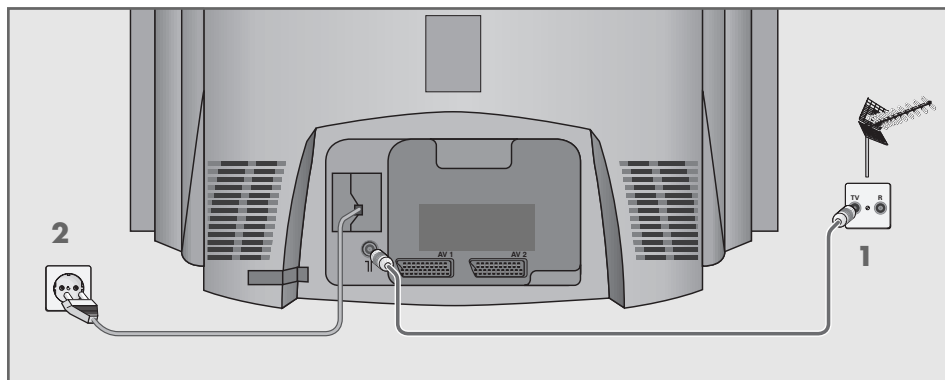
Thunderstorms are a danger to all electrical devices. Even if the television set is switched off, it can be damaged by a lightning strike to the mains or the antenna cable. Always disconnect the mains and antenna plugs during a storm.

Clean the screen with a soft, damp cloth. Only use plain water.



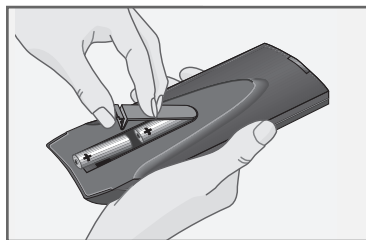
CONNECTION/PREPARATION _____

Connecting the antenna and the mains cable



- 1 Plug the antenna cable of the rooftop antenna into the »⌋« antenna socket on the television.
- 2 Plug the mains cable into the wall socket.

Inserting batteries in the remote control



- 1 Open the battery compartment by removing the lid.
- 2 Insert the batteries (Mignon type, for example UM-3 or AA, 2x1,5V).
Observe the polarity (marked on the base of the battery compartment).
- 3 Close the battery compartment.

Note:

If the television no longer reacts properly to remote control commands, the batteries may be flat. Be sure to remove used batteries.

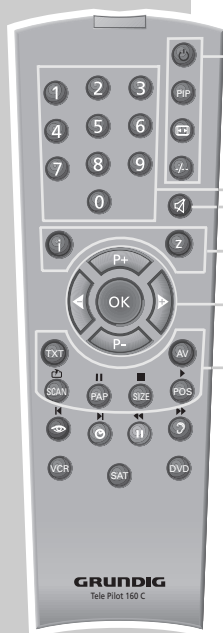
The manufacturer accepts no liability for damage resulting from used batteries.

Environmental note

Batteries, including those which contain no heavy metal, may not be disposed of with household waste. Please dispose of used batteries in an environmentally sound manner. Find out about the legal regulations which apply in your area.

OVERVIEW

The remote control



Switches off the television set (stand-by).

PIP

Key has no function.



Switches between picture formats.

-/--

Switches between single and double-digit preset channels;
switches to double character size in teletext mode.

1...0

Switches the television on from standby mode;
selects channels directly.



Sound on/off (mute).

i

Opens and closes the info menu;
closes all menus.

Z

Zap function.

P+, P-

Switches the television on from standby;
selects stations step by step;
moves the cursor in the menus up and down.



Adjusts the volume;
moves the cursor left/right.

OK

Calls up the preset channels;
activates various functions.

TXT

Switches between teletext and TV modes.

AV

Selects the AV channels and the most recently viewed television channel.

SCAN

Reveal answer in teletext mode.

PAP

Page stop in teletext mode.

SIZE

Selects the sub-pages in teletext mode.

POS

Updates a page in teletext mode.

OVERVIEW



Selects various picture settings;
scrolls back a page in teletext mode.



Calls up the TV Guide (information about the current
and next broadcast) and time.
Moves to the next page in teletext mode.



Selects the desired chapter in teletext mode.



Selects various audio settings;
selects the desired topic in teletext mode

VCR, SAT DVD

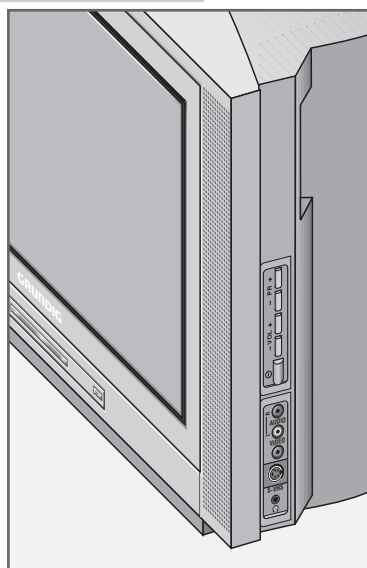
Switches to operating a GRUNDIG video
recorder, a GRUNDIG satellite receiver or
a GRUNDIG DVD player.

Keep the relevant buttons (»VCR«, »SAT«, »DVD«)
pressed down. Then press the button you require.

Note:

The functions available to you depend on the model of
the device you are using.
Just try it out.

The front of the television set



Switches the television into and out of
standby mode.

- VOL +

Adjusts the volume.

- PR +

Channel selection;
switches the television on from stand-
by.

R AUDIO L

Audio signal input for camcorder.

VIDEO

Video signal input for camcorder.

S-VHS

Video signal input for S-video
camcorders.



Headphone jack (3.5 mm ø jack
plug).

SETTINGS

Setting television channels automatically

The television set is equipped with an automatic channel search system.

You start the search and can then sort the television channels into your order of preference.

100 preset positions are provided, to which you can assign television channels from the antenna or from the cable connection.

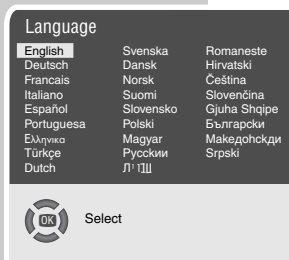
You can also delete television channels from the channel list which were found more than once or which have poor reception.

- 1 Switch on the television with »**I**« on the television set, then press »**P+**« on the remote control.
– The »Language« menu appears when the television is first switched on.

Hint:

If the »Language« menu does not appear on the screen, then set it in accordance with the chapter on resetting all television channels on page 25.

- 2 Select language with »**P+**«, »**P-**«, »**◀**« or »**▶**« and press »**OK**« to confirm.
– The »Country Selection« menu appears.
- 3 Select the country using »**P+**«, »**P-**«, »**◀**« or »**▶**«.
- 4 Press »**OK**« to start the automatic search.
– The automatic search may last a few minutes, depending on the number of television channels received.
– After performing the search, the menu »Provider Selection« is displayed, (only if a provider was found). Kabel 1 in Germany, for example.) Press »**P+**« or »**P-**« to select the TV Guide provider and confirm by pressing »**OK**«.



Changing stored channels

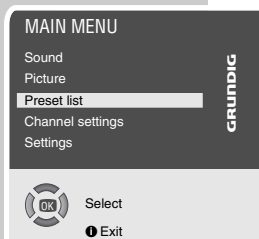
You can delete channels that have been stored more than once during the automatic search. You can also store channels in a different preset position, change or enter the name of a channel as well as skip channels.

Selecting the station list

- 1 Press »**i**« to open the »MAIN MENU«.
- 2 Select »Preset list« with »**P+**« or »**P-**« and confirm with »**OK**«
– The »Preset list« menu appears.

Note:

Further operation is explained in the following sections.



SETTINGS

Deleting channels

1 In the »Preset list« menu, select the station to be deleted by pressing »P+«, »P-«, »◀« or »▶«.

2 Press »□□« (yellow) to delete the channel.

Note:

To delete other stations, repeat steps 1 and 2.

Sorting television channels

1 In the »Preset list« menu, select the channel to be moved with »P+«, »P-«, »◀« or »▶«.

2 Highlight the channel with »⌚« (green).

3 Select a new channel position by pressing »P+«, »P-«, »◀« or »▶« and then press »⌚« to confirm.
– All of the channels that follow move up one position.

Note:

To sort the other television channels repeat steps 1 to 3.

Entering the channel names (maximum of 5 characters)

1 In the »Preset list« menu, select the desired channel with »P+«, »P-«, »◀« or »▶«.

2 Highlight the channel with »?« (blue).

3 Select letters or numbers with »P+« or »P-«, move to the next position with »◀« or »▶« and repeat.

4 Store the channel name with »?« (blue).

Note:

To enter additional channel names, repeat steps 1 to 4.

Skipping television channels

You can mark television channels which should be skipped during selection with »P+« or »P-«. A selection with the number keys is also possible.

1 In the »Preset list« menu, select the desired channel with »P+«, »P-«, »◀« or »▶«.

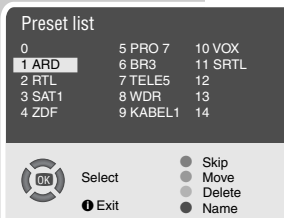
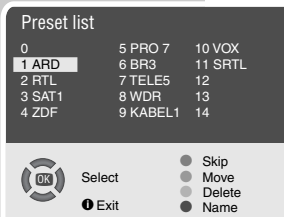
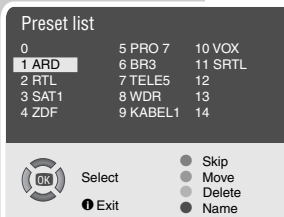
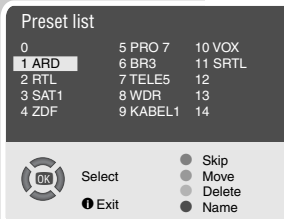
2 Highlight the channel with »👁« (red).

– The television channel is now displayed against a red background.

– You can deselect the selected channel by pressing the red button again.

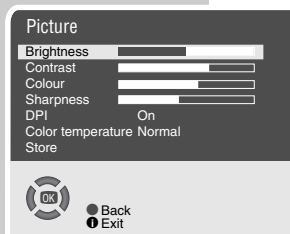
Concluding the settings

1 Press »i« to finish the settings.



SETTINGS

Picture settings

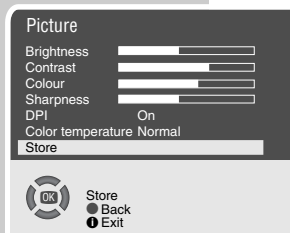


- 1 Press »i« to open the »MAIN MENU«.
– The »MAIN MENU« appears.
- 2 Select »Picture« with »P+« or »P-« and confirm with »OK«.
– The »Picture« menu appears.
- 3 Select »Brightness«, »Contrast«, »Colour«, »Sharpness«, »DPI« (picture enhancement) or »Color temperatur« with »P+« or »P-« and adjust them with »◀« or »▶«.
- 4 Select »Store« with »P+« or »P-« and confirm the setting with »OK«.
– The »Stored« message appears.

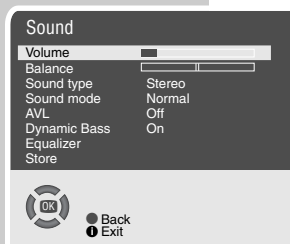
Note:

The settings are saved as the »User« picture default setting.

- 5 Press »i« to finish the settings.



Audio settings



- 1 Press »i« to open the »MENU«.
– The »MENU« appears.
- 2 Select »Sound« with »P+« or »P-« and confirm with »OK«.
– The »Sound« menu appears.

Note:

Further operation is explained in the following sections.

Volume

The standard volume is set here. This is the volume of the device after switching on.

- 1 Select »Volume« with »P+« or »P-« and adjust the setting with »◀« or »▶«.
- 2 Select »Store« with »P+« or »P-« and confirm the setting with »OK«.



Balance

- 1 Select »Balance« with »P+« or »P-« and adjust the setting with »◀« or »▶«.
- 2 Select »Store« with »P+« or »P-« and confirm the setting with »OK«.

SETTINGS

Stereo / two channel, mono

If the device receives two channel programmes, e.g. a film with the original sound on sound channel B (display: »Dual II «) and the dubbed version on sound channel A (display: »Dual I«), you can select the sound channel you desire.

If the device receives stereo or Nicam programmes, it switches automatically to stereo sound (display: »Stereo«).

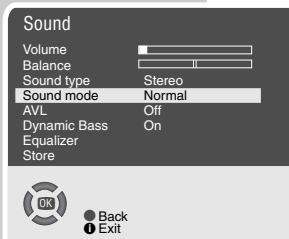
You can switch the sound to »Mono« if the stereo reception quality is poor.



- 1 Select »Sound type« with »P+« or »P-« and adjust the setting with »◀« or »▶«.
- 2 Select »Store« with »P+« or »P-« and confirm the setting with »OK«.

Stereo width

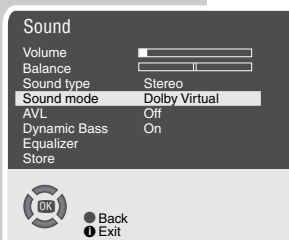
Widens the audio output for stereo programmes and improves the sound with mono reception.



- 1 Select »Sound mode« with »P+« or »P-«.
- 2 Press »◀« or »▶« to select the setting.
- 3 Select »Store« with »P+« or »P-« and confirm the setting with »OK«.

Dolby Virtual*

Dolby Virtual is an innovative electronic solution, which is integrated in the television set and only requires the built-in speakers to produce Dolby Surround effects.



- 1 Select »Sound mode« with »P+« or »P-«.
- 2 Select »Dolby Virtual« with »◀« or »▶«.
- 3 Select »Store« with »P+« or »P-« and confirm the setting with »OK«.

Automatic volume

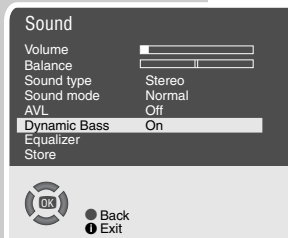
The television channels broadcast at different volumes. The automatic volume limiting (AVL) function means the volume is kept the same when you switch between channels.



- 1 Select »AVL« with »P+« or »P-« and then select »On« with »◀« or »▶«.
- 2 Select »Store« with »P+« or »P-« and confirm the setting with »OK«.

* Under license from Dolby Laboratories Licensing Corporation. DOLBY and the Double-D symbol  are registered trademarks of the Dolby Laboratories Licensing Corporation.

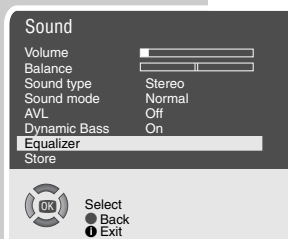
SETTINGS



Dynamic bass

You can amplify the bass-effect using this setting.

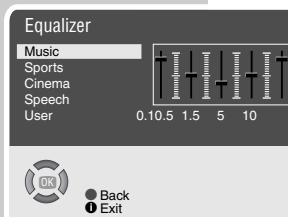
- 1 Select »Dynamic Bass« with »P+« or »P-« and then select »On« with »◀« or »▶«.
- 2 Select »Store« with »P+« or »P-« and confirm the setting with »OK«.



Equalizer

The equalizer offers you four preset sound settings (Music, Sports, Cinema and Speech) and one which you can create yourself (User).

- 1 Select »Equalizer« by pressing »P+« or »P-« and press »OK« to confirm.
– The »Equalizer« menu appears.
- 2 Select the »User« audio setting using »P+« or »P-« and press »OK« to confirm.
– The »0.1 kHz« frequency band is activated.
- 3 Set the value using »P+« or »P-« and select the next frequency band by pressing »◀« or »▶«.
- 4 Press »OK« to save the setting.



Concluding the settings

- 1 Press »i« to finish the settings.

TELEVISION OPERATION

Basic functions



Switching on and off

- 1 Switch on the television by pressing the »**1**« button on the television set.
– The device switches to standby mode.
Switch the television on with »**1...0**« or »**P+**« or »**P-**«.
- 2 Press the »**1**« button to switch the television to standby mode.
Press »**1...0**« or »**P+**« or »**P-**« to switch on the device from standby mode.
– After switching on, the station preset of the TV Guide provider is automatically selected. After a short time, the information about the current and upcoming broadcast is displayed.
- 3 Completely switch the television off by pressing »**1**« on the television set.
– This saves electricity.

Selecting channels

- 1 Use »**1...0**« to select channels directly.
Preselect two digit channel positions with »**-/-**«.
- 2 Press »**P+**« or »**P-**« to move up and down channels.

Selecting AV channel positions

- 1 Use »**AV**« to select AV channels directly.

Adjusting the volume

- 1 Adjust the volume with »**<<**« or »**>>**«.

Muting

- 1 Use »**&**« to switch the sound off (mute) and to switch it on again.

Call up TV Guide and time.

After switching the station presets, information about the current broadcast is displayed (TV Guide).

- 1 Call up information about the current and next broadcast by pressing »**1**«.
– The information and the time are briefly displayed.

Note:

If the message »No info« is displayed, switch to the channel preset of the TV Guide provider by pressing »**1...0**« or »**P+**« or »**P-**«. After a few minutes the new data will have been loaded.


Displaying information

- 1 Press »**POS**« to display the information.
– The display disappears automatically after a short while.

Picture settings

- 1 Select the desired picture setting from »User«, »Natural«, »Rich« or »Soft« with »
– You can alter the »User« picture setting, see the "Picture settings" chapter on page 9.

Audio settings

- 1 Press »
»Sports«, »Cinema« or »Speech«.
– You can alter the »User« audio setting – see the "equalizer" chapter on page 11.

Zap function


This function allows you to save the television channel which you are currently watching and switch to other channels (zapping).

- 1 Select the channel you want to save in the zap memory with »1...0« or »P+« »P-«, (e.g. channel 1, BBC 1) and save by pressing »Z«.
– The display »z -> P1 BBC1« appears in the screen.
- 2 Change channels with »1...0« or »P+« »P-«.
- 3 You can now use »Z« to switch between the saved channel (in the example, BBC1) and the channel you were watching before.
- 4 Press »i« to quit the zap function.
– The display disappears.

TELEVISION OPERATION

Changing the picture format

The television automatically switches to the 16:9 format, if this format is recognised by the Euro-AV socket.

- 1 Select the picture format with »«. The selected picture format, for example »16:9«, appears on the screen.
 - You can choose between the following picture formats:

»Auto« format

The picture format is automatically switched to »16:9« with 16:9 channels.

For programmes in 4:3 format, the picture automatically fills the screen.

»4:3« format

For 4:3 programmes, select picture format »4:3«.

»16:9« and »14:9« formats

During programmes in 4:3 format, the picture is stretched horizontally if »16:9« or »14:9« is selected.

The picture geometry is stretched horizontally.

With actual 16:9 signal sources (from a SET-TOP box on the Euro-AV socket) the picture fills the screen completely and with the correct geometry.

»Letterbox« format

Letterbox setting is especially suitable for programmes in 16:9 format.

The black borders which are usually at the top and bottom of the screen are eliminated, 4:3 pictures fill the screen.

The transmitted pictures are enlarged, but are slightly cropped at the top and bottom. The picture geometry remains unchanged.

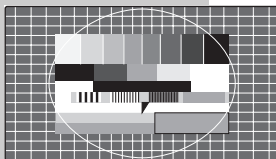
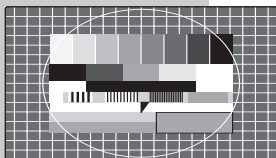
»Panorama« format

This setting is suited to films with a large width/height ratio.

During programmes in 4:3 format the picture is stretched horizontally if the »Panorama« function is selected. The picture geometry is stretched horizontally.

»Subtitle« format

If you cannot read the subtitles which appear on the bottom of the screen (especially during programmes with 4:3 format and if the »Letterbox« format is selected), then select »Subtitle«.



TELETEXT MODE

TOP text or FLOF text mode

- 1 Press »**TXT**« to switch to teletext mode.
- 2 You can directly select teletext pages with »**1...0**«. Return to the overview page 100 with »**i**«.

Note:

At the bottom of the screen, you will see an information line consisting of a red, green and, depending on the station, yellow and blue text field. Your remote control has buttons with the corresponding colours.

- 3 Press »**⦿**« (red) to scroll back a page.
- 4 Press »**⌚**« (green) to scroll to the next page.
- 5 Press »**□□**« (yellow) to select chapters.
- 6 Press »**?**« (blue) to select topics.
- 7 Press »**TXT**« to switch off teletext mode.

Normal text mode

- 1 Press »**TXT**« to switch to teletext mode.
- 2 You can directly select teletext pages with »**1...0**«. Return to the overview page 100 with »**i**«.
- 3 Press »**P-**« to scroll back a page.
- 4 Press »**P+**« to scroll to the next page.
- 5 Press »**TXT**« to switch off teletext mode.

Additional functions

Waiting

While a page is being searched for, you can switch to the television channel.

- 1 Enter the number of the teletext page with »**1...0**« and then press »**POS**«.
– As soon as the page is found, the teletext page number appears in the top left hand corner of the screen.
- 2 Switch to the teletext page by pressing »**POS**«.



TELETEXT MODE

Increasing character size

If you have difficulty reading the text on the screen, you can double the character size.

- 1 To enlarge the character size of a teletext page, press »-/-« repeatedly.

Page stop

A multiple page may contain several sub-pages, which are automatically scrolled by the transmitting station.

- 1 Stop the sub-pages with »PAP«.
- 2 Press »PAP« to quit the function.

Calling up a sub-page directly

If the selected teletext page contains additional pages, the number of the current sub-page as well as the total number of pages is displayed.

- 1 Call up the sub-pages with »SIZE«.
- 2 Enter the four-digit number for the sub-page with »1...0«.
– The selected sub-page is displayed after a short delay.


Reveal answer

Certain teletext pages contain "hidden answers" or information which can be called up.

- 1 Display information with »SCAN«.
- 2 Conceal information with »SCAN«.

Double window

With this function the television programme and teletext are displayed at the same time.

- 1 Press »« in teletext mode.
– On the left you can see the television programme, on the right the teletext of the programme.

CONVENIENCE FUNCTIONS

Convenience functions with the »Settings« menu

- 1 Press »i« to open the »MAIN MENU«.
- 2 Select »Settings« with »P+« or »P-« and confirm with »OK«.

Note:

Further operation is explained in the following sections.

Changing the menu language

- 1 Select »Language« with »P+« or »P-« and confirm with »OK«.
– The »Language« menu appears.
- 2 Select the language with »P+«, »P-« and press »OK« to confirm.
- 3 Press »i« to finish the setting.



Entering the switch-on and alarm times

You can select various timer functions in the »Timer« menu.

»Clock« shows the current time.

»On time«, after this time has elapsed, the television switches on from standby mode. In »Program« you can enter the TV station with which the television switches on.

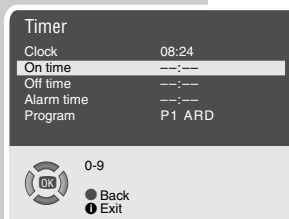
»Off time«, after this time has elapsed, the television switches to standby mode.

»Alarm time«, after this time has elapsed, the television switches on from standby mode. An alarm tone also sounds.

- 1 Select »Timer« with »P+« or »P-« and press »OK« to confirm.
- 2 Select »Clock«, »On time«, »Off time«, »Alarm time« or »Program« by pressing »P+« or »P-«.
- 3 Enter the switch-on time, switch-off time or alarm time and TV station with »1...0«.
- 4 Press »i« to finish the setting.

Note:

You can switch off the alarm tone by pressing »i«.



Horizontal picture rotation

Depending on the location of the device, the earth's magnetic field can affect the position of the television picture. If the picture on the television is slightly skewed, you can correct it.

- 1 Select »Tilt« with »P+« or »P-« and press »OK« to confirm.
- 2 Press »P+« or »P-« to adjust the picture.
- 3 Exit the setting by pressing »i«.

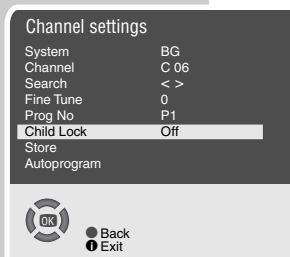


CONVENIENCE FUNCTIONS

Parental lock

You can block any station. The screen goes black.

- 1 Press »i« to open the »MAIN MENU«.
– The »MAIN MENU« appears.
- 2 Select »Channel setting« by pressing »P+« or »P-«.
- 3 Select »Child Lock« with »P+« or »P-«.
- 4 Press »◀« or »▶« to activate or deactivate the parental lock (On) or (Off).
- 5 Press »i« to finish the setting.



TV Guide

TV Guide provides you with information about the current and the next broadcast.

Who offers TV Guide?

Certain stations – Kabel 1, for example – offer this service for almost all TV programs.

How TV Guide works

The station information is »loaded« once you have selected the pre-set for the programme provider.

Transferring all information to the television is somewhat time-consuming, but you can call up the most current information in just a few minutes.

Notes:

Operation with a satellite receiver is not possible with TV Guide.

If you change the station position during the time the device uses for data transfer, it is possible that not all information will be loaded.

TV Guide settings

- 1 Call up the »MAIN MENU« by pressing »i«.
- 2 Select the line »Settings« and confirm by pressing »OK«.
- 3 Select the line »TV Guide« by pressing »P+« or »P-« and confirm by pressing »OK«.

Note:

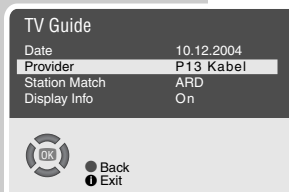
Additional operations are explained in the following sections.



CONVENIENCE FUNCTIONS

Changing stations

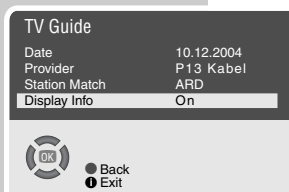
Check to see which television programme (provider) offers service for TV Guide.



- 1 Select »Provider« by pressing »P+« or »P-«.
- 2 Select the television station (provider) by pressing »◀« or »▶« and confirm by pressing »OK«.
- 3 Exit settings by pressing »i«.

Switching the station, name display on/off

If you switch off the station name display, this information is not shown when switching the programme presets.



- 1 Select the line »Display Info« by pressing »P+« or »P-« and confirm by pressing »OK«.
- 2 Activate (On) or deactivate (Off) the function by pressing »◀« or »▶«.
- 3 Exit the setting by pressing »i«.

Assigning television stations (station matching)

You will need to use the station matching function if stations are not recognised by TV Guide.

In the »Station Match« line these are designated as »None«.



- 1 Select the program that you would like to assign by pressing »P+« or »P-«.
- 2 Call up the »MAIN MENU« by pressing »i«.
- 3 Select the line »Settings« and confirm by pressing »OK«.
- 4 Select the line »TV Guide« by pressing »P+« or »P-« and confirm by pressing »OK«.



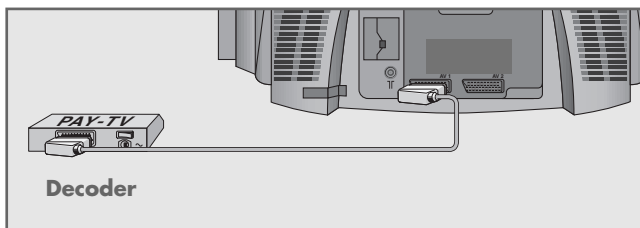
- 5 Select the line »Station Match« by pressing »P+« or »P-«.
- 6 Select the station ID for the selected television station by pressing »◀« or »▶« .
- If the station ID is not available at the selection, the station is not supported by the provider.
- 7 Exit the setting by pressing »i«.

USING EXTERNAL DEVICES

Decoder or satellite receiver

In order for the television to receive encoded programs from a privately operated station, a decoder is needed.

Connecting a decoder or satellite receiver



- 1 Connect the »AV1« socket on the television set and the appropriate socket on the decoder using a EURO-AV cable.

Notes:

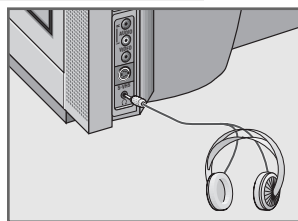
A satellite receiver can also be connected to this socket.

If you want to use both a satellite receiver and a decoder, the decoder must be connected to the satellite receiver.

Using a decoder

- 1 Switch on the television and the decoder.
- 2 Select the »AV1« preset channel by pressing »AV« repeatedly until »AV1« appears on the screen.




Headphones



Connecting headphones

- 1 Insert the headphone jack (3.5 mm ø jack plug) in the headphone socket on the television.

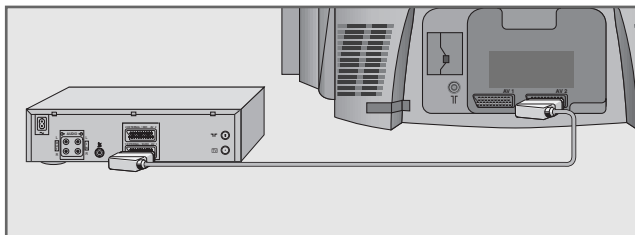
Adjusting the headphone volume

- 1 Press »« to mute the television sound.
- 2 Press »« or »« to adjust the headphone volume.

USING EXTERNAL DEVICES

Video recorder, DVD player or SET-TOP box

Connecting the video recorder, DVD player or SET-TOP box



- 1 Connect the »AV1« or »AV2« television sockets and the corresponding sockets of the video recorder, DVD player or the SET-TOP box with a Euro-AV (Scart) cable.

Using a video recorder, DVD player or SET-TOP box

- 1 Switch on the video recorder, DVD player or SET-TOP box and select the function you wish to use.
- 2 Select the »AV1« or »AV2« channel positions with »AV«.
 - You can hear and see the video and audio information from the video recorder or the SET-TOP box on the television set.

Connecting the SVHS video recorder

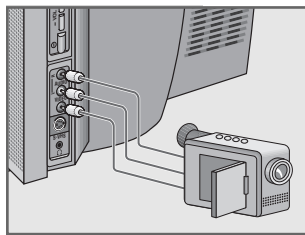
If you own a SVHS video recorder, you can connect it using a Euro-AV cable to the AV2 socket.

Using a SVHS video recorder

- 1 Switch on the video recorder and select the function you wish to use.
- 2 Select the »AV2S« preset channel with »AV«.
 - You will see the picture and hear the sound of the video recorder on the television.

USING EXTERNAL DEVICES

Camcorder



Connecting the camcorder

- 1 Connect the yellow socket (VIDEO – picture signal) on the television and the corresponding socket on the camcorder (VHS, Video 8) with a cinch cable.

or

connect the S-Video socket (S-VIDEO – picture signal) on the television and the corresponding socket on the camcorder (S-VHS, Hi 8) with a cinch cable.

- 2 Connect the white and red sockets (L AUDIO R – sound signal) on the television and the corresponding sockets of the camcorder with a cinch cable.

Note:

If a mono camera is connected, connect the white socket (L) of the television and the corresponding socket of the camera. Select »MONO« in the »SOUND« menu during mono operation.

Operating with a camcorder

- 1 Switch on the camcorder, insert a cassette and start playback.
- 2 Select the preset channel »AV3« (for VHS, Video 8) or »AV3S« (for S-VHS, Hi 8), by pressing »AV« repeatedly until »AV3« or »AV3S« appears in the screen.
 - You will see the picture and hear the sound of the camcorder on the television.

SPECIAL SETTINGS

Setting television channels

This setting is only necessary if a new channel comes on air and you do not want to change the order of your channels. The television channel can be set directly or using the search.

Setting channels using the search

- 1 Press »i« to open the »MAIN MENU«.
– The »MAIN MENU« appears.
- 2 Select »Channel settings« with »P+« or »P-« and confirm with »OK«.
– The »Channel settings« menu appears.
- 3 Select »Prog No« with »P+« or »P-« and set the preset channel with »◀« or »▶«.
- 4 Select »Search« with »P+« or »P-« and start the search with »◀« or »▶«.
– If a strong station signal is received, the search is interrupted and the picture appears. Repeat the search until the channel you want appears on the screen.

Note:

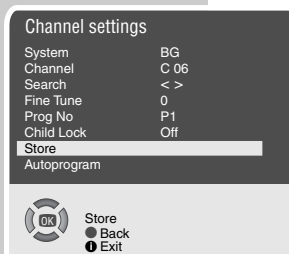
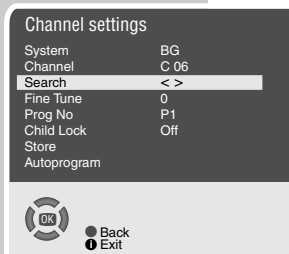
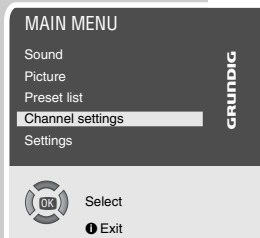
The current system is automatically displayed in the »System« line. Select »System« with »P+« or »P-« if the colour or sound are incorrect. Select the setting required with »◀« or »▶«.

- 5 Select »Store« with »P+« or »P-« and confirm with »OK«.
– The »Stored« message appears.

Note:

To set other television stations, repeat steps 3 to 5.

- 6 Press »i« to finish the setting.



SPECIAL SETTINGS

Fine tuning television channels

The television automatically tunes itself to the best possible reception. You may need to carry out manual fine tuning in areas where there is poor reception.

- 1 Press **»i«** to open the **»MAIN MENU«**.
– The **»MAIN MENU«** appears.
- 2 Select **»Channel settings«** with **»P+«** or **»P-«** and confirm with **»OK«**.
– The **»Channel settings«** menu appears.
- 3 Select **»Fine Tune«** with **»P+«** or **»P-«** and set it with **»◀«** or **»▶«**.
- 4 Select **»Store«** with **»P+«** or **»P-«** and confirm with **»OK«**.
– The **»Stored«** message appears.
- 5 Press **»i«** to finish the setting.

Setting the television channels by entering the channel numbers

- 1 Press **»i«** to open the **»MAIN MENU«**.
– The **»MAIN MENU«** appears.
- 2 Select **»Channel settings«** with **»P+«** or **»P-«** and confirm with **»OK«**.
– The **»Channel settings«** menu appears.
- 3 Select **»Prog No«** with **»P+«** or **»P-«** and set the channel with **»◀«** or **»▶«**.
- 4 Select **»Channel«** with **»P+«** or **»P-«** and confirm with **»OK«**.
- 5 Press **»OK«** to choose between **»S«** (special channel) and **»C«** (channel).
- 6 Press **»◀«** or **»▶«** to switch up and down channels or use **»1...0«** to enter the channel number directly.

Note:

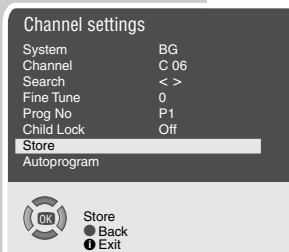
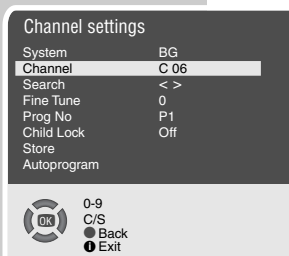
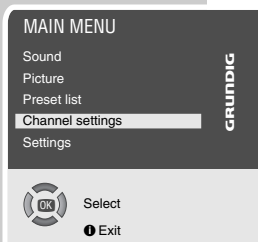
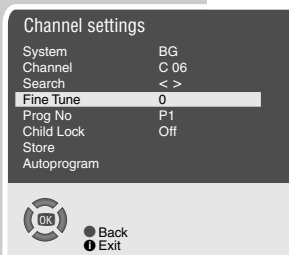
The current system is automatically displayed in the **»System«** line. Select **»System«** with **»P+«** or **»P-«** if the colour or sound are incorrect. Select the setting required with **»◀«** or **»▶«**.

- 7 Select **»Store«** with **»P+«** or **»P-«** and confirm with **»OK«**.

Note:

To set other television stations, repeat steps **3** to **7**.

- 8 Press **»i«** to finish the setting.



SPECIAL SETTINGS

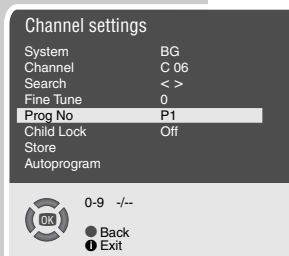
Re-tuning all television channels

You can re-tune all the television stations, for example if you move to another town.

- 1 Press **»i«** to open the **»MAIN MENU«**.
– The **»MAIN MENU«** appears.
- 2 Select **»Channel settings«** with **»P+«** or **»P-«** and confirm with **»OK«**.
– The **»Channel settings«** menu appears.
- 3 Select **»Prog No«** with **»P+«** or **»P-«** and using **»◀«** or **»▶«** enter the channel numbers from the point they should be saved.
- 4 Select **»Autoprogram«** with **»P+«** or **»P-«** and confirm with **»OK«**.
– The **»Country Selection«** menu appears.
- 5 Select the country using **»P+«, »P-«, »◀«** or **»▶«** and confirm with **»OK«**.
– The automatic search may last a few minutes, depending on the number of television channels received.

Note:

You can interrupt the search by pressing **»i«**.



INFORMATION

Technical data

Mains voltage:	230 V, 50/60 Hz
Power consumption:	In standby mode 3 W Switched on 95 W
Sound output:	2x20 Watts music
Reception ranges:	C01 ... C99, special channels S01 ... S41, frequency band 1 ... 4
Channel positions:	100 und 4 AV

Service information for dealers:

The product complies with the following EU directives:
73/23/EEC directive for electrical equipment to be used within
defined voltage ranges. 89/336/EEC directive on electromagnetic
compatibility.

The television set complies with the following standards: EN 60065,
EN 55013, EN 55020



INFORMATION

Troubleshooting

If the remedies given below do not work, please consult an authorised GRUNDIG dealer. Please bear in mind that malfunctions can also be caused by external devices such as video recorders or satellite receivers.

Fault	Possible cause	Remedy
Screen lit (snow), but no station	Antenna cable	Is the antenna cable connected?
	No television station programmed	Start the station search
Poor picture contrast	Picture settings incorrectly set	Adjust the brightness, contrast or colour setting
	Problem at station	Test with another channel
Interference to picture and/or sound	Interference from other devices	Change the position of the device
Ghosts, reflection	Channel setting	Automatic or manual channel setting/fine tuning
	Antenna	Have antenna cable or system checked
No colour	Colour intensity at minimum	Turn up the colour
	TV standard setting (if setting option is available)	Select the correct colour standard
	Problem at station	Test with another channel
Inappropriate colour, colour spots	Strong magnetic field due, for example, to loudspeakers	Move the loudspeakers away from the television. If colour spots remain, switch off the television set at the mains and switch on again after 10 minutes
Picture but no sound	Volume set to minimum	Turn up or switch on the volume
	Problem at station	Test with another channel
Teletext missing or faulty	Television station (has no teletext) or antenna system	Test another channel for fine tuning and ghosts
	Station signal too weak	Check the antenna system
Remote control does not work	No optical connection	Point the remote control at the television set
	Remote control batteries	Check the batteries, change if necessary
	Operating condition undefined	Switch off the television with the main power button for approximately 2 minutes
The picture is unrecognisable after switching on the television	Parental lock has been activated	Switch off the parental lock

INFORMATION

Additional Information for units sold in the UK.

Units sold in the UK are suitable for operation from a 240V ac, 50Hz mains supply.

The range of multi-system receivers is built to work in most European countries. However, the mains plug and socket system for the UK differs from many European countries.

This appliance has been supplied with a fitted, non-removable, approved converter plug for use in the UK. This converter plug is fitted with a 5A rated fuse.

In case this appliance is supplied with a moulded 2-pin Euro plug only, which is unsuitable for UK operation, this must be cut off and immediately disposed of. An approved 13A, 3-pin UK plug should then be fitted by a qualified electrician.

Note:

The severed Euro plug must be destroyed to avoid a possible shock hazard should it be inserted into a socket elsewhere.

If a non-rewireable 3-pin plug or a rewireable 13A (BS1363) 3-pin plug is used, it must be fitted with a 5A ASTA or BSI approved BS1362 fuse. If any other type of plug is used it must be protected by a 5A fuse either in the plug, or at the distribution board. If this type of plug becomes defective, ensure that the fuse is removed before disposal, to eliminate potential shock hazard.

If it is necessary to change the fuse in the non-rewireable plug, the correct type and rating (5A ASTA or BSI approved BS1362) must be used and the fuse cover must be refitted. If the fuse cover is lost or damaged, the lead and plug must not be used until a replacement is obtained. Replacement fuse covers should be obtained from your dealer.

Important:

The wires in the mains lead are colour coded in accordance with the following code:

BLUE – NEUTRAL

BROWN – LIVE

As the colours of the wires in the mains lead of your appliance may not correspond with the coloured marking identifying terminals in your plug, proceed as follows:

Connect the BLUE coloured wire to plug terminal marked with the letter "N" or coloured black.

Connect the BROWN coloured wire to the plug terminal marked with the letter "L" or coloured red.

In no circumstance must any of the wires be connected to the terminal marked with the letter "E", earth symbol "⏏", coloured green, or green & yellow.